

Prodn. of gossypol from crude cottonseed oil - involves sepn. of prod. by addn. of sulphuric acid, sepn. of ppte., its treatment with ethyl acetate and pptn. from obtd. soln. with hexane

Patent Assignee: UZB CHEM TECHN CATALYSIS RES INST

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Patent Family

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Abstract:

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The method is based on treatment of oil with alkali reagent, settling, decanting and sepn. of prod. To improve results, sepn. of prod. is conducted by addn. of sulphuric acid, sepn. of ppte., its treatment with ethyl acetate or methylene chloride, at ratio 1: (1-2), and pptn. of gossypol from obtd. conc. organic soln. with hexane, with subsequent purificn. of gossypol by adsorption on polyamide activated powder, using hexane as elution agent.

USE - As a method of prodn. of gossypol, having anti-virus, anti-tumour and anti-microbial properties.

ADVANTAGE - The method simplifies process technology and increases yield of gossypol.

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